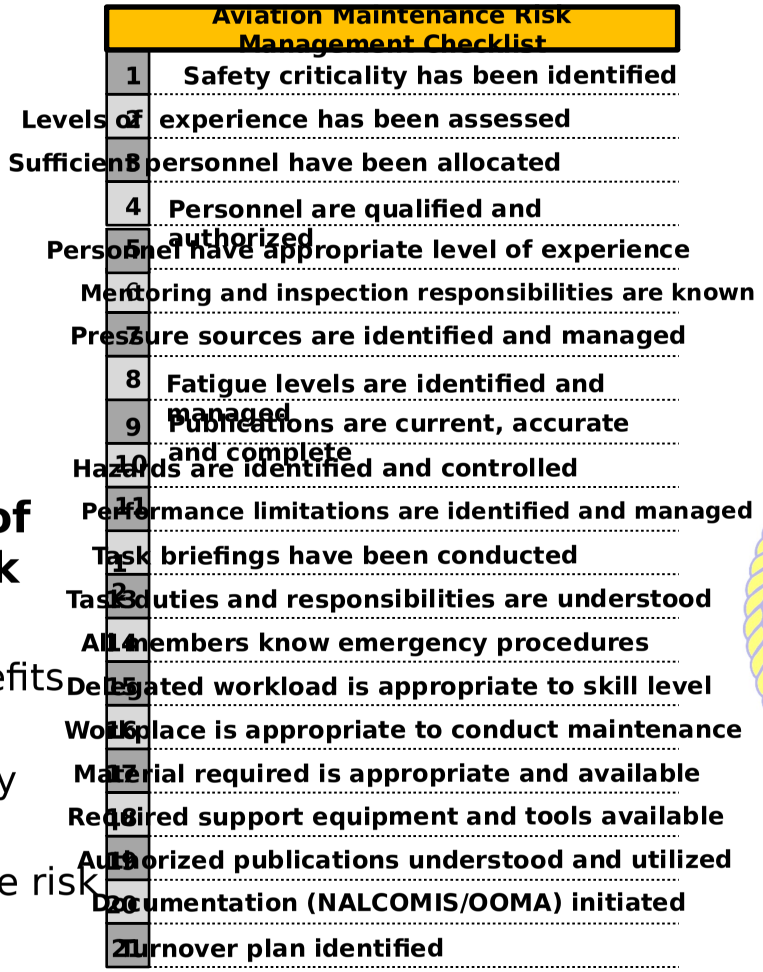
Operational Risk Management

5-Step Process

- Identify hazards
- Assess hazards
- Make risk decisions
- Implement controls
- Supervise (watch for changes)

Four Principles of Operational Risk Management

- Accept risk when benefits outweigh the cost
- Accept no unnecessary risks
- Anticipate and manage risk by planning
- Make risk decisions at the right level


Aviation Maintenance Risk Management Checklist
1 Safety criticality has been identified
2 Levels of experience has been assessed
3 Sufficient personnel have been allocated
4 Personnel are qualified and authorized
5 Personnel have appropriate level of experience
6 Mentoring and inspection responsibilities are known
7 Pressure sources are identified and managed
8 Fatigue levels are identified and managed
9 Publications are current, accurate and complete
10 Hazards are identified and controlled
11 Performance limitations are identified and managed
1 Task briefings have been conducted
2 Task duties and responsibilities are understood
3 All members know emergency procedures
4 Delegated workload is appropriate to skill level
5 Workplace is appropriate to conduct maintenance
6 Material required is appropriate and available
7 Required support equipment and tools available
8 Authorized publications understood and utilized
9 Documentation (NALCOMIS/OOMA) initiated
10 Turnover plan identified

Aviation Maintenance Risk Management Checklist

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FRON
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BACK

BEFORE THE TASK

MAINTAINER

1. Am I qualified, authorized and confident to undertake the task?
2. Do I have people to assist, mentor, and supervise me?
3. Have I been thoroughly briefed on the task by my supervisor?
4. Have I told my supervisor of any physical or mental limitations that may impact my performance?
5. Have hazards been identified, reported, controlled, and documented?
6. Do I have a clear understanding of my responsibilities?
7. Has sufficient time been allocated to undertake the task?
8. Do I have the necessary authorized publications, procedures, and instructions?
9. Do I have the serviceable, authorized support equipment and tools required?

DURING THE TASK

MAINTAINER

1. Am I working IAW authorized policy, processes, and procedures?
2. Am I ensuring all in-process and mandatory inspections are being conducted?
3. Am I receiving adequate supervision for my level of experience?
4. Am I informing my supervisor of task
ution and any
cerns?
5. Am I monitoring and
reporting

STOP

Any "No" answer increases the risk. This risk must be accepted by a person with the appropriate level of responsibility.

AFTER THE TASK

MAINTAINER

1. Was the job done IAW authorized policy, processes, and procedures?
2. Were all in-processes and mandatory inspections conducted?
3. Did the work completed satisfy
initial task requirements?
4. Have I accounted for and returned all tools and support equipment?
5. Is proper documentation (NALCOMIS/OOMA) complete?
6. Have I certified all work I have
completed?
7. Do procedures exist for uncompleted and follow-on maintenance?
8. Have I debriefed the task to my
supervisor?
9. Have all supporting maintenance
tasks been documented?
10. Did I debrief issues/concerns to improve the task or process to my supervisor?

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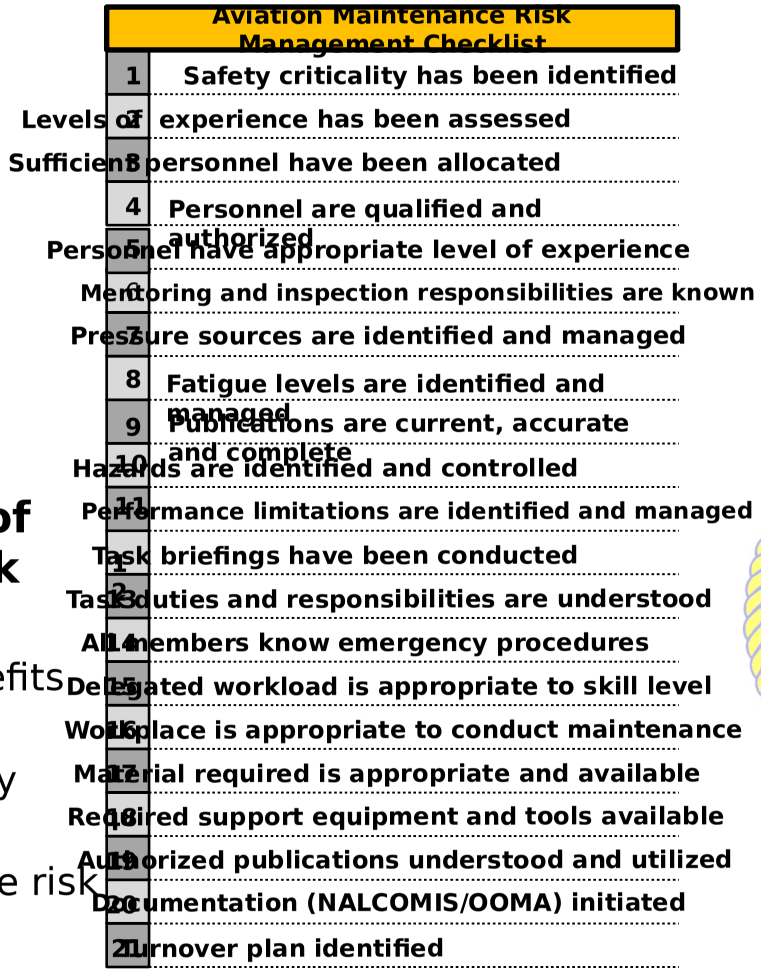
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Turnover plan identified

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NAVAL SAFETY CENTER
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BEFORE THE TASK

SUPERVISOR

1. Am I qualified, authorized and confident to undertake maintainer supervision?
2. Do I understand who I am supervising and what is being supervised?
3. Have I briefed those directly responsible for conducting the task?
4. Have I told my supervisor of any physical or mental limitations that may have an impact on myself or the maintainer performance?
5. Have all hazards been identified, reported, controlled, and documented?
6. Do I understand my responsibilities with respect to the task and supervision?
7. Has sufficient time been allocated to undertake the task?
8. Does my team have the authorized publications, procedures, and instructions required?
9. Does my team have the required tools and serviceable support

DURING THE TASK

SUPERVISOR

1. Am I supervising IAW authorized policy, processes and procedures?
2. Am I ensuring all in-process and mandatory inspections are done?
3. Am I receiving/giving adequate feedback from/to personnel?
4. Am I informing my supervisor of task execution and any concerns?
5. Am I monitoring and reporting hazards as the work pr

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AFTER THE TASK

SUPERVISOR

1. Was maintenance done IAW authorized policy, processes, and procedures?
2. Did I ensure that all in-process and mandatory inspections were completed?
3. Did the work completed satisfy initial task requirements?
4. Did I provide the appropriate level of supervision throughout the task?
5. Have I debriefed the task with the maintainer?
6. Have I documented all the inspections I was responsible for/or I conducted?
7. Have I confirmed that conditions exist for any follow-on maintenance?
8. Have all supporting maintenance tasks been documented?
9. Have I articulated task turnover info via maintenance docs, logs, and verbal brief?
10. Have I briefed maintenance control on task revision details and the

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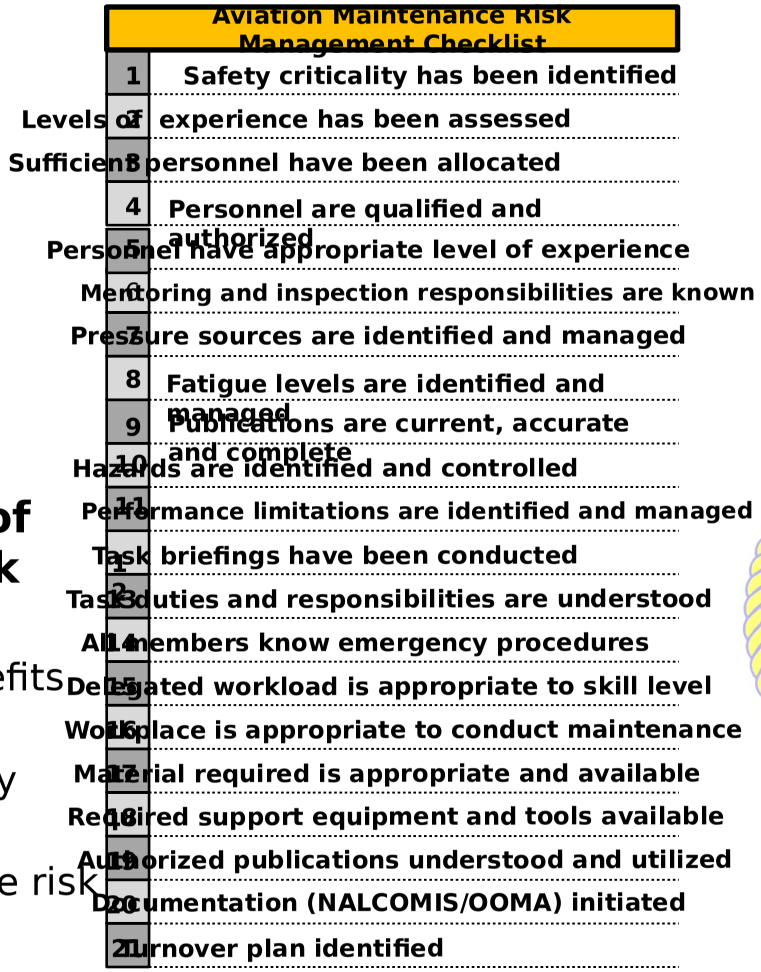
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BEFORE THE TASK

MAINTENANCE CONTROL

1. Am I and my workforce qualified and authorized to do maintenance?
2. Have sufficient personnel/time been allocated to the tasks?
3. Have hazards been identified, discussed, controlled, and documented?
4. Do I understand my responsibilities with respect to maintenance management?
5. Do I have the authorized data, procedures and instructions required?
6. Have I communicated task requirements clearly and documented?
7. Does the unit have the necessary serviceable support equipment and authorized tools?
8. Have I clearly communicated and documented task requirements?
9. Are there any factors that may have an impact

DURING THE TASK

MAINTENANCE CONTROL

1. Am I supervising IAW authorized policy, processes, and procedures?
2. Are all in-process and mandatory inspections being conducted?
3. Am I giving/receiving adequate feedback to/from personnel on task?
4. Am I informing my supervisor of the maintenance status and any concerns?
5. Am I managing risk(s) as the work progresses?
6. Am I monitoring personnel performance and reporting any concerns?

AFTER THE TASK

MAINTENANCE CONTROL

1. Is maintenance certified IAW authorized policy, processes, and procedures?
2. Are in-process and mandatory inspections completed and documented?
3. Have I documented the inspections I performed and/or were responsible for?
4. Have I confirmed corrective actions satisfy initial task requirements?
5. Have I debriefed the task with the supervisor?
6. Are maintenance actions documented for follow-up actions ,if required?
7. Were all supporting tasks documented and certified?
8. Is task info (maintenance docs, logs, briefs) clear and concise?
9. Has the Commanding Officer been briefed on task revision details and the status of further task requirements?
10. Have I conducted my responsibilities with due